

CITY CENTRE MICRO-HUBS - AMSTERDAM

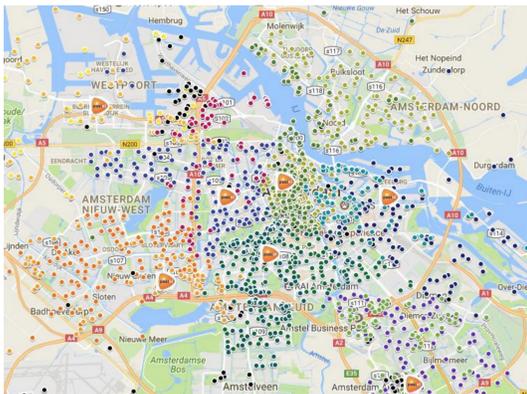
PROBLEM AND AIM

- The Amsterdam implementation aims to improve last mile logistics by making better use of canals and existing cycling infrastructure
- Contribute to reduction of congestion by removing delivery vans from traffic. Increase number of zero-emission trips. Shorter routes by using cycling infrastructure



DESCRIPTION OF THE SOLUTION

- 8 micro-hubs within Amsterdam, supplied by truck from a depot
- 60 Zero emission electric bicycles for the last- and first mile
- Operational benefits: Less time to park, shorter routes, similar average speeds, reduced fuel costs, lower leasing tariffs and a better and sustainable image for PostNL



IMPLEMENTATION PROCESS

- After some initial attempts to focus on transport on the canals with a floating depot, a shift was made to distributions via micro-hubs with e-freight bikes
- Started with one micro-hub and was rolled out over the inner city



RESULTS TO DATE

- 6 operational micro-hubs within Amsterdam; basic and functional with electrical charging facilities
- Zero emission electric vehicles: 45 e-freight bikes
- Several brands and types of e-freight bikes tested
- Positive reactions from clients and tourists



CHALLENGES

- Development of effective optimal planning software for bikes
- Shortage of suitable freight bike riders
- Weather conditions (e.g. rain, snow) and safety concerns



OPPORTUNITIES

- Extending operations: delivering packages, local delivery and evening delivery
- Upscaling to other big cities in the Netherlands like Utrecht
- Use of canals in the longer term for flexible micro-depots



CONTACTS

